

Customer No.: 31561  
Application No.: 10/604,171  
Docket No.: 10239-US-PA

### **In The Specification**

[0026] The second moving mechanism comprises a capping base 252, a pair of sliding tracks 254a, 254b (not shown) and a gear rack 256. The capping base 252 is set up on the base 202. The capping base 252 has a pair of capping surfaces 258a, 258b each having a cap 262a, 262b. The two sliding tracks 254a, 254b (not shown) are set up on the respective side surface of the capping base 252 and engage with the grooves 204c, 204d respectively on the base 202. The gear rack 256 is attached to the side surface of the capping base 252 and coupled with the gear 242 of the second direction-changing mechanism. Thus, the gear 242 will drive the gear rack 256 and hence lift the capping base 252 upwards in the Z-direction when the gear 242 of the second direction-changing mechanism is indirectly driven by the movement of the print module. Eventually, the caps 262a, 262b will cap the print head of the print module and maintain the nozzles at a high relative humidity. The print module is now in a stopping mode. Note that the caps 262a, 262b move along the direction of movement of the capping base 252 (the Z-axis). Therefore, the angle between the direction of movement of the cap 262a (or the cap 262b) and the direction of movement of the print module (the X-axis) is greater than or equal to 70° , and the preferred angle is approximately 90° .